

NEXTCHEM (MAIRE) AWARDED AN ENGINEERING STUDY BASED ON ITS PROPRIETARY NX CIRCULAR™ GASIFICATION AND NX CPO™ TECHNOLOGIES FOR A SAF PLANT IN THE UK

- **NEXTCHEM will provide its technologies to Altalto Ltd. to convert UK waste and residues into Sustainable Aviation Fuel (SAF)**

Milan, 8 September 2025 – MAIRE (MAIRE.MI) announces that NEXTCHEM, through its subsidiary MyRechemical, key player in the Waste-to-Chemical segment, has been awarded an engineering study contract by **Altalto Ltd.** based on its proprietary NX Circular™ gasification and NX CPO™ technologies for a SAF plant in Immingham, Lincolnshire, United Kingdom.

Altalto (Immingham) Ltd. is a company set up by Velocys to develop SAF projects in the UK. The plant is expected to be operational in 2030. Initial targets include the production of 30 million litres (23 thousand tonnes) of SAF per year for the UK market in support of the SAF Mandate¹. Feedstocks will be sourced from residual municipal solid waste (MSW) and commercial and industrial (C&I) waste.

The project has been awarded a grant from the Department for Transport's Advanced Fuels Fund to progress Basic Engineering Design. The SAF from the plant will be enough to power over 500 flights from London to New York per year.

Cutting-edge NX Circular™ gasification technology allows the plant to convert waste by generating synthesis gas (syngas), which is subsequently transformed to SynCrude through Velocys' Fischer-Tropsch technology and upgraded to high-quality sustainable fuels. The application of this solution, combined with NX CPO™ technology, offers a unique and efficient design. NX CPO™ ensures an advanced innovative process to produce synthesis gas via controlled partial oxidation through a very fast reaction. When applied to synthetic fuel production, this versatile technology is contributing to maximizing overall yield while minimizing carbon intensity of the product.

MyRechemical will operate as a technology provider and as coordinator for other technological partners. It will also supply engineering services supported by NEXTCHEM's NX Engineering District in Catania and involve other sister companies of the MAIRE Group. Altalto expects to reduce greenhouse gas emissions by over 100,000 tonnes of CO₂-equivalent per year (including CCS), valorize residual waste and create about 100 permanent jobs. The project will also generate an additional 1,000 direct and 300 indirect jobs during construction. Altalto is aiming to significantly improving the UK balance of payments by reducing fuel imports while generating substantial investment and export opportunities for the Country.

¹ The [SAF Mandate](#) is the UK's key policy to decarbonise aviation fuel by encouraging the supply of sustainable aviation fuels. It starts in 2025 at 2% of total UK jet fuel demand, increasing linearly to 10% in 2030 and then to 22% in 2040. From 2040, the obligation will remain at 22% of total UK jet fuel demand until there is greater certainty regarding SAF supply.



Fabio Fritelli, Managing Director of NEXTCHEM, commented: "This award confirms the validity and flexibility of our technological proposal, which meets the needs of players in the mobility sector, particularly in aviation where decarbonisation is of paramount importance."

MAIRE S.p.A. is a leading technology and engineering group focused on advancing Energy Transition. We provide Integrated E&C Solutions for the downstream market and Sustainable Technology Solutions through three business lines: Sustainable Fertilizers, Low-Carbon Energy Vectors, and Circular Solutions. With operations across 50 countries, MAIRE employs nearly 10,000 people, supported by around 50,000 professionals involved in its projects worldwide. MAIRE is listed on the Milan Stock Exchange (ticker "MAIRE"). For further information: www.groupmaire.com.

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